Newsletter 34 of EUROPT

EUROPT - The Continuous Optimization Working Group of EURO

http://europt.iam.metu.edu.tr/

March 2016

In this issue:

Words from the Chair

Dear Colleagues,

On behalf of the EUROPT Managing Board let me welcome you to the 34th EUROPT Newsletter.

Our forthcoming EUROPT Workshop on Advances in Continuous Optimization will be held July 1-2, 2016, in Warsaw. Please find the call for papers with extended deadline in the Newsletter. The deadline is soon, please contribute. We look forward to this our annual meeting and hope to see many of you there again. The Workshop will be held just before the EURO Conference in Poznan which is well connected to Warsaw, therefore I hope many of you will be able to attend both events.

Please also find some other announcements in the Newsletter. Enjoy reading and if you have any thoughts on the Newsletter and material to be included please let us know.

Julius Žilinskas, Chair, EUROPT Managing Board

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14th EUROPT Workshop on Advances in Continuous Optimization: deadline extended to April 10, 2016

Dear Friends and Colleagues,

The 14th EUROPT Workshop on Advances in Continuous Optimization is organized by Institute of Control and Computation Engineering at Warsaw University of Technology, Poland, July 1-2, 2016 Warsaw.

http://www.europt2016.ia.pw.edu.pl/

EUROPT2016 is the annual event of the EUROPT continuous optimization working group of EURO (The Association of European Operational Research Societies). This is the 14th such workshop and is held in collaboration with the 28th annual EURO conference to be held in Poznan on July 3-6 2016. Talks should be related to continuous optimization theory, algorithms, software or applications.

Plenary speakers confirmed:

- Andreas Griewank, Yachay Tech, Ibarra, Ecuador
- Jiri Outrata, Institute of Information Theory and Automation, Czech Academy of Sciences, Prague, Czech Republic
- Yaroslav Sergeyev, University of Calabria, Rende, Italy
- Anatoly Zhigljavsky, Cardiff University, Cardiff, UK

Call for Abstracts (max two pages):
Abstracts submission is opened since February 1, 2016. Please sign up at
https://www.euro-online.org/conf/europt2016/ to create your EURO account and submit your abstract. All accepted abstracts will be included in the Book of Abstracts. Please be reminded that the extended Deadline for Abstracts Submission is April 10, 2016.

Selected papers presented at EUROPT2016 will be considered for peer-reviewed publication in a special issue of Mathematical Methods of Operations Research.
Registration is already opened, with the fees having been set as EUR 200 (Standard) and EUR 150 (PhD students) before May 15 2016. Afterwards the respective fees will be EUR 270 and EUR 200.

We hope you will want to take this opportunity to visit Warsaw and contribute to advances in continuous optimization.

Andrzej Stachurski and Wodzimierz Ogryczak
Chairs of the Organising and Programme Committees for EUROPT2016

10th ICOTA - Call for papers

Dear Colleagues and Friends,

Welcome to the 10th International Conference on Optimization: Techniques and Applications (10th ICOTA), which will be held in Ulaanbaatar, Mongolia, during 23-26 July, 2016.

The first two ICOTA conferences were held in Singapore in 1987 and 1992, respectively. After which, ICOTA has become an important conference series run by a steering committee. The third ICOTA conference was held in Chengdu in 1995, and the fourth ICOTA was held in Perth in 1998. The fifth, sixth, seventh, eighth and ninth ICOTA were held, respectively, in Hong Kong in 2001, Ballarat in 2004, Kobe in 2007, Shanghai in 2010, and Taipei in 2013. The ICOTA conference series is an official conference series of POP (The Pacific Optimization Research Activity Group). Like previous ICOTA conferences, the goal of the 10th ICOTA is to provide an international forum for scientist, researchers, software developers, and practitioners to exchange ideas and approaches, to present research findings and state-of-the-art solutions, to share experiences on potentials and limits, and to open new avenues of research and development, on all issues and topics related to optimization and its applications.

Topics in the 10th ICOTA include, but are not limited to, those listed in the following:

- Optimization theory and numerical algorithms: linear programming, nonlinear programming, integer programming, network programming, semi-definite programming, stochastic programming, dynamic programming, optimal control, global optimization, nonsmooth optimization, semi-infinite programming, multi-objective optimization, variational inequalities, complementarity problems, mathematical programs with equilibrium constraint.

- Algorithms: design, analysis, implementation of traditional mathematical programming methodology, modern techniques such as meta-heuristic for combinatorial and continuous optimization.

- Applications: engineering, nonlinear systems, stochastic system control, data/text mining from large databases, intelligent information and technology, systems science, knowledge management, information and communication networks, transportation, scheduling, logistics, finance, game theory, industrial engineering, management science, operations research.

All submitted papers will be peer-reviewed by referees and accepted papers will be published in conference proceedings in CD form. Authors of papers with great quality will be encouraged to prepare full versions of their papers and submit them to appropriate special journal issues for consideration for publications. We look forward to your participation of the conference.

Please submit the abstracts of your papers or papers via the EasyChair located within the conference home page. If you are organising a special session, please submit the title of your session and the estimated number of the participants of your session also via the EasyChair.

The participants of the special session should submit their papers or the abstracts of their papers with a statement showing the title of the special session.

I look forward to meeting you during the conference.

Yours sincerely,

<div align="right">

Dr. Changjun Yu
Conference Secretary - 10th ICOTA
icota2016@outlook.com, yuchangjun@126.com

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Conference topics

Computer Science: Information Technology, Green Computing, Machine Learning, Smart Computing, Predictive Analysis, Mobile Programming, big data, Computer architecture, Computational & Synthetic Biology, Computer Graphics, Vision, Animation, Game Science, Computing for Development, Data Management, Human Computer Interaction, Natural Language Processing, Programming Languages and Software Engineering, Robotics, Security & Privacy, Systems and Networking, Theory of Computation, Ubiquitous Computing, Wireless and Sensor Systems, Using IT to reduce carbon emissions, Energy-aware computing, Smart grid and micro grids, Sustainable computing.

Engineering: Electrical & Electronics Engineering, Mechanical Engineering, Civil Engineering, Petroleum Engineering, Chemical Engineering, Financial Engineering, Industrial Engineering, Engineering Management.

Optimization: Mathematical Programming, Continuous optimization, Combinatorial optimization, Discrete optimization, Ant colony optimization, Fuzzy logic, Genetic algorithms, Variable Neighbourhood Search, Support vector machines, Cuckoo search, Simulated annealing, Bat algorithm, Differential evolution, robust solutions and robust optimization, online optimization, Holistic optimization, meta-heuristics and stochastic optimization, optimization in (video) games, surrogate-assisted optimization, dynamic optimization, Network design optimization, Optimization of energy-efficient protocols.

Highlights

- The event is endorsed by the European Alliance for Innovation, a leading community-based organisation devoted to the advancement of innovation in the field of ICT.
- All accepted papers will be published by Springer and made available through the Springer-Link Digital Library, one of the world's largest scientific libraries.

Tutorials/Workshops

Proposals should provide a focused lecture on new and emerging topics within the scope of the conference. Accepted and presented papers will be published in the Conference Proceedings. All proposals should be submitted by electronic mail to: Kevin Fynn, Curtin University, Australia (`K.Fynn@curtin.edu.au`)

Posters/Demos

All COMPSE Posters & Demos should be submitted by electronic mail to:

Iain Murray, Curtin University, Australia (`I.Murray@curtin.edu.au`)
Neel Mani, Dublin City University, Ireland (`neelmanidas@gmail.com`)

Paper Submission

Papers should be submitted through EAI 'Confy' system at Confy, and have to comply with the ACM format (see Author's kit section). Papers will be judged on originality, correctness, clarity and relevance. Submitted papers must be original work, and may not be under consideration for another conference or journal. Submission of the paper implies agreement of the author(s) to attend the conference and present the paper if accepted.

Submission guidelines

- Papers should be in English.
- Regular papers should be up to 10 pages in length.
- Short papers should be up to 6 pages in length.
- Previously published work may not be submitted, nor may the work be concurrently submitted to any other conference or journal. Such papers will be rejected without review.
- Papers must be formatted using the SPRINGER Author's Kit. Detailed instructions and templates are available.

Publication

The proceedings are submitted for inclusion to the leading indexing services: DBLP, Google Scholar, Thomson Scientific ISI Proceedings, EI Elsevier Engineering Index, CrossRef, Scopus, as well as ICST's own EU Digital Library (EUDL).

- Best and high quality papers will be selected and reviewed by IPC in order to publish extended version of the papers in Intelligent Decision Technologies- An International Journal and International Journal of Computational Science and Engineering
- Best papers will be invited to submit an extended version of their work through one of EAI endorsed publications.

Steering Committee

Chair:

Imrich Chlamtac, Create-Net, EAI

Kalaivanthan Kay, Shangri-Laâs Rasa Sayang Resort, Malaysia

Pandian Vasant, University Teknologi PETRONAS, Malaysia

Zeya Oo, Yangon Technological University, Myanmar

Organising Committee

<u>General Chair</u>

Pandian Vasant, University Teknologi PETRONAS, Malaysia

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Gerhard Wilhelm Weber, Middle East Technical University, Turkey

Rustem Popa, âDunarea de Josâ University in Galati, Romania

Goran Klepac, Raiffeisen Bank Austria D.D., Croatia

Leopoldo Barron, Instituto Tecnologico de Nuevo Leon, Mexico

Igor Litvinchev, Nuevo Leon State University, Mexico

<u>TPC Chair</u>

Zeya Oo, Yangon Technological University, Myanmar

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Herman Mawengkang, University of Sumatera Utara, Indonesia
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Tawanda Mushiri, UNIVERSITY OF ZIMBABWE, Zimbabwe

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Kevin Fynn, Curtin University, Australia

Posters & Demos Chair
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Publications Chair
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Leo Mrsic, University College for Law and Finance Effectus Zagreb, Croatia

Local Chairs
Kalaivanthan Kay, Shangri-Laâs Rasa Sayang Resort, Malaysia

Conference Manager
Barbara Fertalova, European Alliance for Innovation (EAI)

Important Dates
Workshop/Tutorial proposals: 12 February 2016
Full paper/Poster/Demo/workshop: 15 April 2016
Acceptance Notification: 13 May 2016
Camera ready Due: 15 July 2016

Call for site proposals ICCOPT 2019

The ICCOPT Steering Committee of the Mathematical Optimization Society (MOS):

Jong-Shi Pang, Chair, jongship@usc.edu
Coralia Cartis, Coralia.Cartis@maths.ox.ac.uk
Dominique Orban, dominique.orban@gerad.ca
Nick Sahinidis, sahinidis@cmu.edu
Fabio Schoen, fabio.schoen@unifi.it
Mikhail Solodov, solodov@impa.br
Takashi Tsuchiya, tsuchiya@grips.ac.jp
Michael Ulbrich, mulbrich@ma.tum.de

is requesting proposals for organizing ICCOPT VI, the Sixth International Conference on Continuous Optimization, which is scheduled to be held in August 2019. Being the flagship conference of the MOS in the area of continuous optimization, ICCOPT is held every three years at a site to be selected according to the criteria below. For information about the forthcoming one in 2016 and two prior ones, visit the WEB-sites:

http://www.iccopt2016.tokyo/
http://eventos.fct.unl.pt/iccopt2013
http://www.iccopt2010.cmm.uchile.cl/

The proposal for organizing ICCOPT VI should include the candidate site and Organizing Committee. Selection criteria for the site are based on the following considerations:

1. Existence of continuous-optimization researchers in the proposed geographic area who are interested in and can assist in the organization of ICCOPT VI.
2. Attendance open to prospective participants from all nations.
3. Availability of an attractive facility with a sufficient number of meeting rooms, standard lecture equipment, etc., preferably on a university campus.
4. Availability of a sufficient supply of reasonably economical hotels and/or university dormitory rooms fairly near the meeting facility.
5. Sites outside the next one (Tokyo, Japan) and the one prior (Lisbon, Portugal), such as Canada and the U.S. are particularly encouraged to apply, although the Committee is interested in the most compelling proposal regardless of the continent.

Some characteristics of previous ICCOPT conferences:

1. Past such conferences had between 200 and 500 participants.
2. Plenary, semiplenary lectures, invited and contributed sessions, poster session and poster competition.
3. The lengths of the first (at Rensselaer Polytechnic Institute, Troy, New York) second (at McMaster University, Hamilton, Canada), third (in Santiago, Chile), and next ICCOPT were 3, 4, 4, and 4 days, respectively, excluding the tutorial workshop mentioned below.
4. A 1 or 2-day long tutorial workshop for graduate students.

5. All inclusive conference coffee and lunches.
6. Young Researchers Prize in Continuous Optimization.
7. Program and Prize committees formed in consultation with the Steering Committee.
8. Social events, student's social, banquet.
9. Reasonably low registration fee.
10. No proceedings of papers, no competitive selection of talks, but only one presentation per paid participant.

Further information can be obtained from any member of the Steering Committee.

Submission deadline: June 15, 2016 to the Chair of the ICCOPT Steering Committee: Jong-Shi Pang (`jongship@usc.edu`). Hosts of the candidate sites should send an email to the Committee Chair by April 15, 2016 to indicate interest to submit a proposal.

Report of the International Conference on Optimization and Control with Applications (OCA 2015)

The International Conference on Optimization and Control with Applications (OCA) is a series of conferences that aims to provide international forum for scientists, engineers, researchers and practitioners to exchange scientifically and bring new approaches to optimization and control. Previously, the conference had been held in Erice, Italy (2001), Tunxi, China (2002), Jiuzhaigou, China (2004), Harbin, China (2009), and Beijing, China (2012), respectively. In 2015, the 6th of OCA was held in International Academic Exchange Center of Changsha University of Science & Technology organized by Changsha University of Science & Technology (China) and Curtin University (Australia) during December 11-14, 2015. Detailed information of the conference can be found in the conference webpage http://oca2015.csp.escience.cn/dct/page/1.

Changsha is the capital of Hunan Province, located in central south of China. It is famous for its particular culture, e.g., Hunanâs delicious and spicy dishes which are known as one of the eight classical cuisines of China.

OCA 2015 is one of the official conference series of POP, Pacific Optimization Research Activity Group (http://bschool.nus.edu/DecisionSciences/pop/). POP is an Internet-based group of researchers, aiming at promoting optimization research activities in Pacific Region. Founded in October, 2000, during the First Sino-Japanese Optimization Meeting in Hong Kong, initiated by Professors Masao Fukushima, Masakazu Kojima, Liqun Qi, Jie Sun, Kok Lay Teo, and Alex Rubinov. This group has now about 560 members from more than 40 countries and regions, ranging from Asia, Europe, North America, Oceania, and South America. POP looks for fruitful scientific relations within the international family in Science, Engineering, Economics and Operational Research.

The conference began with the opening session and the welcoming speech by the Conference Chair, Prof. Dr. Mingyong Lai, who is the President of Changsha University of Science and Technology. Then, it continued with the plenary speeches and the parallel sessions.

The Plenary Speakers were: Prof. Dr. Franco Giannessi (University of Pisa, Italy), Prof. Dr. Ian Peterson (University of New South Wales at the Australian Defence Force Academy, Australia), Prof. Dr. Panos Pardalos (University of Florida, USA), Prof. Dr. Shinji Mizuno (Tokyo Institute of Technology, Japan), Prof. Dr. Shige Peng (Shandong University, China), Prof. Dr. V. Sree Hari Rao (Jawaharlal Nehru Technological University, Hyderabad, India).

The conference was perfectly organized thanks to the great effort of the International Organizing Committee, the Local Organizing Committee, the Advisory Committee and the International Program Committee of the conference. The care and hard-work of the co-organizers Prof. Dr. Mingyong Lai, Prof. Dr. Yingqiu Li, Prof. Dr. Ryan Loxton and Prof. Dr. Jiao Li is particularly appreciated.

The participants were very heartily welcomed during both the sessions and the breaks. The conference was finished with the Closing Ceremony on December 14. The great hospitality of Changsha University of Science & Technology and its collaborators made all the participants share the great honour and the pleasure, making them to look forward to the future conferences of OCA.

With about 300 participants, the high scientific quality of the presentations and discussions, and the warmth among the friends from all over the world, OCA 2015 was a great success. In

fact, new emerging research trends were introduced, cross-relations between academic interests made, application chances explored and future collaborations established.

Welcome to the 6th International Conference on Optimization and Control with Applications
2015. 12. 12

Today, we are looking forward to our next OCA conference which will take place in Malacca, Malaysia. Thanks to all inspiring and fruitful collaborations that were initiated during the unforgettable OCA 2015 days of science and friendship in hospitable Changsha!

Numan Yanar
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Gerhard-Wilhelm Weber
Institute of Applied Mathematics, METU, Ankara, Turkey
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PhD Research Scholarship -
Centre for Informatics and Applied Optimisation

Federation University Australia's Centre for Informatics and Applied Optimisation (CIAO http://federation.edu.au/ciao) invites applications from highly motivated and suitably qualified candidates for a stipend scholarship in the framework of the ARC funded project entitled "Stability of Generalised Equations and Variational Systems". The project will be supervised by Associate Professor Alexander Kruger (https://asterius.ballarat.edu.au/akruger).

The student will be hosted by Federation University Australia, Mt Helen campus, Vic, Australia (http://federation.edu.au/) and will have access to facilities on campus working alongside key researchers within the Centre and the Faculty of Science and Technology.

Scholarship Details:
Stipend (2016 rate for APA/FedUniPRS - AU$26,228 p.a. tax free)

Course Fees:
Tuition fees will be covered by the university.

Eligibility:
Eligible applicants must have completed a first class Honours and/or Masters by Research degree or equivalent. International candidates are welcome to apply.

To Apply:
The instructions and forms can be found here: http://federation.edu.au/research/research-degrees/apply.
Please email the completed forms to research.degrees@federation.edu.au and include CIAO in the email subject.
Applications will close once the position is filled.

Enquiries: Alexander Kruger a.kruger@federation.edu.au

Contacts

EUROPT: http://europt.iam.metu.edu.tr/

People wishing to send a message to the EUROPT mailing list should contact our web administrator Semih Kuter semihkuter@yahoo.com. The message will then be distributed upon approval by the EUROPT Managing Board.

For specific questions, the members of the Managing Board can be contacted:

- Julius Žilinskas, chair julius.zilinskas@mii.vu.lt
- Tatiana Tchemisova, vice chair tatiana@ua.pt
- Regina Burachik, website editor Regina.Burachik@unisa.edu.au
- Sonia Cafieri, newsletter editor sonia.cafieri@enac.fr
- Andreas Grothey, communications coordinator A.Grothey@ed.ac.uk
- Dmitri Kvasov, events coordinator kvadim@si.dimes.unical.it
- Oliver Stein, treasurer stein@kit.edu

Editor's notes

Dear members of EUROPT, dear readers,

We are pleased to announce in the present Newsletter the deadline extension for abstract submission for our next EUROPT Conference. Please take this occasion to contribute to advances in Continuous Optimization!

We also announce forthcoming conferences, the call for site proposal for ICCOPT, and opportunities for young researchers.

Thanks to all the EUROPT members who contributed to this Newsletter by sharing these valuable informations.

The Newsletter Editor

Sonia Cafieri

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